



Project: Alaska Copper Works

Inspection Date: 12/9/19

Project No.: 19ACW1

Technician: David DuBois

System Performance:

Was system running during the inspection? ☐ Yes ☒ No

Flow Rates (gpm) Influent 95 Effluent 150 The flows should be ~155 gpm

Bag Filter #1 Pressures (psi) Influent 15 Effluent 10 The bag filters should be replaced if differential pressure > 8 psi

Bag Filter #2 Pressures (psi) Influent 16 Effluent 11

Carbon Filter Pressures (Lead) Influent 10 Effluent 5 The carbon filters should be

Carbon Filter Pressures (Lag) Influent 4 Effluent 0 backflushed if differential pressure > 8 psi

Were the bag filters replaced? ☐ Yes ☒ No

Was the carbon backflushed? ☐ Yes ☒ No

Maintenance and Inspection Checklist:

Task	Completed (Y/N)	Issues/Notes/Comments
Walchem Controller Inspected	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	No issues
Flow Meters Inspected	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	No issues
Level Sensor Cleaning/Inspection	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Inspect System Plumbing	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Pumps Inspected	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	No vibrations or noise
General Housekeeping	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Chemistry Level	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<2 gallons 10% Caustic 55 gallons 25% Caustic
Safety Materials Inspected	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
pH Probe Inspection/Calibration	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Calibrated - ok



Water Sampling:

Were water samples taken? ☐ Yes ☒ No

Raw water: pH 6.47 Turbidity 3.44 NTU

Bag Filter Influent pH 8.56 Turbidity 5.21 NTU

Bag Filter Effluent pH 8.23 Turbidity 3.66 NTU

Carbon Filter Influent pH 8.01 Turbidity 2.06 NTU

Carbon Filter Effluent pH 7.71 Turbidity 1.53 NTU

Monthly Tasks:

Were samples submitted to Analytical? ☐ Yes ☒ No

Analytical Lab: _____

Was Walchem data downloaded? ☐ Yes ☒ No

Were the tank sludge levels checked? ☐ Yes ☒ No

Sludge Depth (inches):

Decant Tank: _____

Treatment tank: _____

Backflush tank: _____

Main lift station: _____

North lift station: _____

South lift station: _____

Additional Comments, Recommendations and System Upsets:

Ten unused filters remain onsite.
Swapped caustic drums from 10% to 25% and lowered dosing rate from 80% to 60%.

David DuBois

Technician

Project Lead Technician

Title

12/9/19

Date

Submit